

Message

From: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW [catherine.jerrard@us.af.mil]
Sent: 2/7/2019 9:47:18 PM
To: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]
Subject: RE: [Non-DoD Source] 2019-1-30 - WAFB - FYI - ADEQ CSO requests EBR early results - ST012
Attachments: ATT00001.txt

Carolyn-

We owe you a response on your latest input on location and priority.

We are still working the contractual side. I can give you a call on Monday with an update (I am off tomorrow).

Thanks.

Cathy

//SIGNED//
CATHY JERRARD, P.E., PMP
AFCEC/CIBW
706 Hangar Road
Rome, New York 13441
315-356-0810 (office)
315-723-4509 (cell)
email: catherine.jerrard@us.af.mil

From: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>
Sent: Thursday, February 07, 2019 4:25 PM
To: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>; Wayne Miller <miller.wayne@azdeq.gov>
Cc: steve <steve@uxopro.com>; Smallbeck, Donald R. <donald.smallbeck@woodplc.com>; Pearson, Stuart C. <stuart.pearson@woodplc.com>; William Hughes <William.Hughes@SpecProSvcs.com>; Davis, Eva <Davis.Eva@epa.gov>; 'Brasaemle, Karla' <KBrasaemle@TechLawInc.com>
Subject: RE: [Non-DoD Source] 2019-1-30 - WAFB - FYI - ADEQ CSO requests EBR early results - ST012

Hi Cathy

What is the status of the additional monitoring wells we requested?

Carolyn d'Almeida
Remedial Project Manager
Federal Facilities Branch (SFD 8-1)
US EPA Region 9 Laboratory
1337 South 46th Street, Building 201
Richmond, CA 94804
(415) 972-3150

"We can evade reality, but we cannot evade the consequences of evading reality." - Ayn Rand

From: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>

Sent: Thursday, February 7, 2019 12:54 PM

To: Wayne Miller <miller.wayne@azdeq.gov>

Cc: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; steve <steve@uxopro.com>; Smallbeck, Donald R. <donald.smallbeck@woodplc.com>; Pearson, Stuart C. <stuart.pearson@woodplc.com>; William Hughes <William.Hughes@SpecProSvcs.com>

Subject: RE: [Non-DoD Source] 2019-1-30 - WAFB - FYI - ADEQ CSO requests EBR early results - ST012

Wayne-

Some of the information is not yet available. It will be coming in by location as the injection sequence proceeds. Data points over time will be needed to evaluate trends. Please see responses to the specific categories in red:

The CSO is requesting sulfate concentration trends – Data available for extraction wells close to current injection locations will be presented at the Feb BCT call.

Bacteria response trends – No data is available yet. As per the pilot study work plan, samples won't be collected until 6-9 months following injection. The injections will be a rolling process across the site as the Phase 1 Pilot Study proceeds. For example, at the current pace, 6-9 months from the first injection location may only be 1 or 2 months from the last injection in the first phase. Getting 6 months of observation from all locations may take more than a year.

Contaminant concentration trends – As per the pilot study work plan, quarterly samples will be collected in February and reported in the March or April BCT call/meeting.

Contaminant mobilization trends. – As per pilot study work plan, quarterly samples will be collected in February and reported in the March or April BCT call/meeting (November samples were reported in the December BCT call – no evidence of contaminant migration).

Please let me know if there are additional questions. Thank you.

Cathy

//SIGNED//

CATHY JERRARD, P.E., PMP

AFCEC/CIBW

706 Hangar Road

Rome, New York 13441

315-356-0810 (office)

315-723-4509 (cell)

email: catherine.jerrard@us.af.mil

From: Wayne Miller <miller.wayne@azdeg.gov>

Sent: Wednesday, January 30, 2019 5:07 PM

To: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>

Cc: Carolyn dAlmeida <dalmeida.carolyn@epamail.epa.gov>; steve <steve@uxopro.com>

Subject: [Non-DoD Source] 2019-1-30 - WAFB - FYI - ADEQ CSO requests EBR early results - ST012

FYI - ADEQ's Chief Science Officer, Paula Panzino, is requesting EBR response indicators. The CSO noted about 8 elapsed weeks since sulfate injection started. The CSO is requesting sulfate concentration trends, bacteria response trends, contaminant concentration trends, and contaminant mobilization trends.

Thank you.



Wayne Miller

Project Manager,

Federal Projects Unit,

Remedial Projects Section,

Waste Programs Division
Ph: 602-771-4121

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